## APPENDIX A

PTO/SB/08a (09-08) Approved for use through 10/31/2008, OMB 0651-0031

Substitu	ite for form 1449A	/PTO		Complete if Known		
				Application Number	09/502,133-Conf. #4787	
INF	ORMATI	ON DISC	LOSURE	Filing Date	February 11, 2000	
STA	ATEMEN	T BY AP	PLICANT	First Named Inventor	Harold E. HELSON	
	(1100			Art Unit	2128	
(Use as many sheets as necessary)			essary)	Examiner Name	H. M. Jones	
heet	1	of	5	Attorney Docket Number	0103544.00131US2	

			Ų.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 ( # known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
	AA*	US-5,854,992	12-29-1998	Shakhnovich et al.	
	AB*	US-5,940,807	08-17-1999	Purcell	
	AC*	US-6,081,789	06-27-2000	Purcell	
	AD*	US-6,119,104	09-12-2000	Brumbelow et al.	
	AE*	US-6,311,134		Sorenson	
	AF*	US-6,582,233	06-24-2003	Clark	
	AG*	US-6,665,685	12-16-2003	Bialic	
	AH*	US-6,678,577		Stylli et al.	
	Al*	US-7,054,754		Brecher	
	AJ*	US-7,295,931		Helson	
	AK*	US-7,356,419		Culot et al.	
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	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	Г
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				Application Number	09/502,133-Conf. #4787	
INI	FORMATI	ON DISC	CLOSURE	Filing Date	February 11, 2000	
ST	ATEMEN	T BY AF	PLICANT	First Named Inventor	Harold E. HELSON	
				Art Unit	2128	
	(Use as many sheets as necessary)			Examiner Name	H. M. Jones	
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		NON PATENT LITERATURE DOCUMENTS	
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	CA	BALASUBRAMANIAN, K.J., "Computer Perception of Molecular Symmetry", J. Chem. Inf. Comput. Sci., Vol. 35, pp. 761-770, 1995	Г
	СВ	BALDUCCI, R. et al., "Efficient Exact Solution of the Ring Perception Problem", J. Chem. Inf. Comut. Sci., Vol. 34, pp. 822-831, 1994	Г
	сс	BAUER, J. et al., "IGOR and RAIN - The First Mathematically Based Multi-Purpose Problem- Solving Computer Programs for Chemistry and Their Use as Generators of Constitutional Formulas", Informal Commun. Math. Chem. (MATCH), No. 27, pp. 31-47, 1992	
	CD	BAYADA, D.M. et al., "An Algorithm for the Multiple Common Subgraph Problem", J. Chem. Inf. Comput. Sci., Vol. 32, pp. 680-685, 1992	Г
	CE	BENECKE, C. et al., "MOLGEN, a generator of connectivity isomers and stereoisomers for molecular structure elucidation", <i>Anal. Chim. Acta</i> , Vol. 314, pp. 141-147, 1995	Г
	CF	BERTRAND, A. et al., "DESMOL: a Subroutine for the Generation of Molecular Structures with Stereochemical Information from Connectivity Data", J. Chem. Res. (S), p. 158, 1994	Г
	CG	BLEY, K. et al., "Constitutional Formulae generated from Connectivity Information: the Program MDRAW", J. Chem. Res. (S), p. 261 1991	Г
	СН	CARHART, R.E., "A Model-Based Approach to the Teletype Printing of Chemical Structures", J. Chem. Inf. Comput. Sci., Vol. 16, No. 2, pp. 82-88, 1976	
	CI	ChemDraw Chemical Structure Drawing Standard, User's Guide, CS Chem3D 4.0 for Windows and MacIntosh, CambridgeSoft Corporation, 1986-1997	
	CJ	DALBY, J. et al., "Description of Several Chemical Structure File Formats Used by Computer Programs Developed at Molecuar Design Limited", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 32, pp. 244-255, 1992	

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Sheet	3	of	5	Attorney Docket Number	0103544.00131US2	

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	СК	DITTMAR, P.G. et al., "An Algorithmic Computer Graphics Program for Generating Chemical Structure Diagrams", J. Chem. Inf. Comput. Sci., Vol. 17, No. 3, pp. 186-192, 1977	Г
	CL	DOWNS, G.M. et al., "Review of Ring Perception Algorithms for Chemical Graphs", J. Chem. Inf. Comput. Sci., Vol. 29, pp. 172-187, 1989	Г
	СМ	FIGUERAS, J. et al., "Automorphism and Equivalence Classes", J. Chem. Inf. Comput. Sci., Vol. 32, pp. 153-157, 1992	Г
	CN	FIGUERAS, J., "Ring Perception Using Breadth-First Search", J. Chem. Inf. Comput. Sci., Vol. 36, p. 986-991, 1996	
	со	FREREJACQUE, M., "No. 108 - Condensation d'une molecule organique", Bull. Soc. Chim. Fr., (Memoires), Vol. 5, pp. 1008-1011, 1939	
	CP	GOTHE, S.A. et al., "Computer-Assisted Mechanistic Evaluation of Organic Reactions. 22. The Generation and Use of Three-Dimensional Structures", J. Org. Chem., Vol. 58, pp. 5081-5094, 1993	
	CQ	HELSON, "Structure Diagram Generation", Reviews in Computational Chemistry, Vol. 13, Ch. 6, pp. 313-398, 1999	
	CR	JUDSON, R., "Genetic Algorithms and Their Use in Chemistry", Reviews of Computational Chemistry, Ch. 1, Vol. 10, pp. 1-73, 1997	
	CS	LIETH, C.v.d. et al., "RINGS - a general program to build ring systems", J. Mol. Graphics, Vol. 2, pp. 117-123, 1984	
	СТ	MOLCHANOVA, M.S. et al., "Computer Generation of Molecular Structures by the SMOG Program", J. Chem. Inf. Comput. Sci., Vol. 36, pp. 888-899, 1996	

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				Art Unit	2128	
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	cu	RAYNER, J.D. et al., "A Concise Connection Table Based on Systematic Nomenclatural Terms", J. Mol. Graphics, Vol. 1, pp. 108-111, 1983	
	cv	RUSINKO, A. et al., "Using CONCORD to Construct a Large Database of Three-Dimensional Coordinates from Connection Tables", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, p. 251-255, 1989	Г
	cw	SADOWSKI, J. et al., "Comparison of Automatic Three-Dimensional Model Builders Using 639 X-ray Structures", J. Chem. Inf. Comput. Sci., Vol. 34, p. 1000-1008, 1995	
	сх	SHELLEY, C.A., "Heuristic Approach for Displaying Chemical Structures", J. Chem. Inf. Comput. Sci., Vol. 23, pp. 61-65, 1983	
	CY	SHMUELI, U., "Simple and efficient approach to preparation of molecular drawings", J. Mol. Graphics, Vol. 2, pp. 111-112, 1984	
	cz	THOMSON, L.G. et al., "Organic Search and Display Using a Connectivity Matrix Derived from Wiswesser Notation", J. Chem. Doc., Vol. 7, pp. 204-209, November 1967	
	CA1	WEININGER, D., "SMILES, a Chemical Language and Information System. 1. Introduction to Methodology and Encoding Rules", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 28, pp. 31-36,1988	
	CB1	WEININGER, D., "Smiles. 3. Depict. Graphical Depiction of Chemical Structures", J. Chem. Inf. Comput. Sci., Vol. 30, pp. 237-243, 1990	
	CC1	WIPKE, T., "AIMB: Analogy and Intelligence in Model Building. System Description and Performance Characteristics", Computer Representation and Manipulation of Chemical Information, pp. 147-174, Wipke et al. editors, Krieger, NY, 1981	
	CD1	WIPKE, W. T. et al., "Computer-Assisted Three-Dimensional Synthetic Analysis", Tet. Comput. Method., Vol. 1, pp. 147-174, 1988	

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	CE1	ZIMMERMAN, B.L., Thesis, University of Pennsylvania, 1971	
	CF1	ZIPPLE, M. et al., "Spektren - A Computer System for the Identification and Structure Elucidation of Organic Compounds", Anal. Chim Acta, Vol. 140, pp. 123-142, 1982	I
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